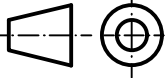



Notes:

1. For further installation details please refer to MES 1002 Installation and Operation Guide, doc. no. 101404-MAN
2. Installation notes.
 - 2.1 Please install Analyzer as late as possible in the installation process to ensure stable air supply.
 - 2.2 Connect cable shield to ground pin at the Analyzer end only.
 - 2.3 Compressed air to the Analyzer must be taken from the top of the ship's pneumatic supply tube to avoid intake of condensate in the Analyzer.
3. Safety notes.
 - 3.1 Safety guidelines must be followed to avoid injury or damage to the Analyzer.



| | | | | | | | |
|---|--------------|------------|---|----------------------|----------------|---|-------|
| | | |  | Scale | Size A3 | Material | |
| | | | | | | Unspec. tolerances acc. to DS/EN ISO 2768-1 mK | |
| | | | | | | Danfoss Standard 500B0598 | |
| | | |  Danfoss IXA A/S | Installation Drawing | | | |
| Mrk | Approval/Rev | Date | | MES 1002 | | | |
| Replace | | | | | | | |
| Design | TOT | 25.09.2023 | | | | | |
| Approval | KJW | 21.11.2023 | | | | | |
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A

B

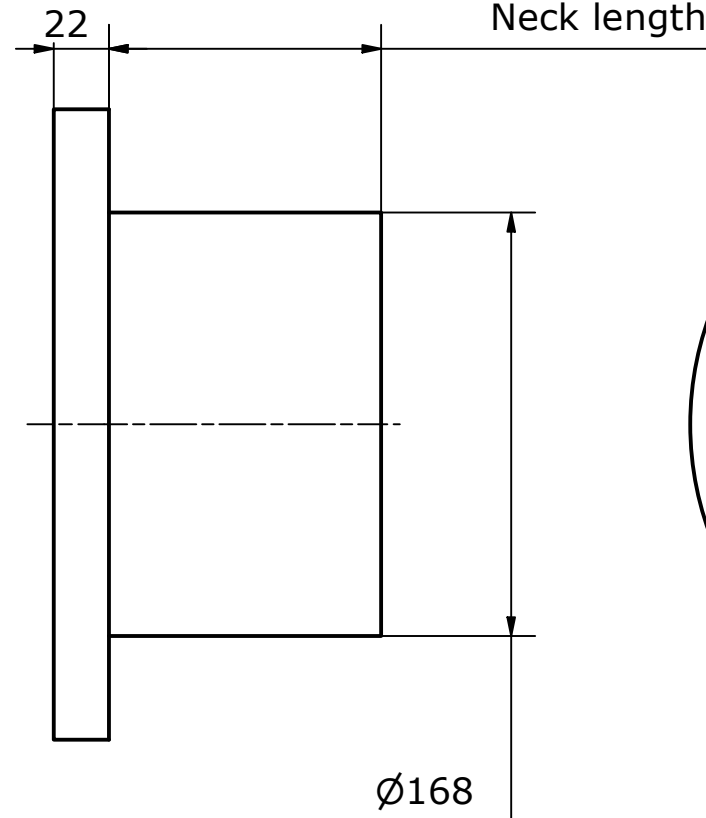
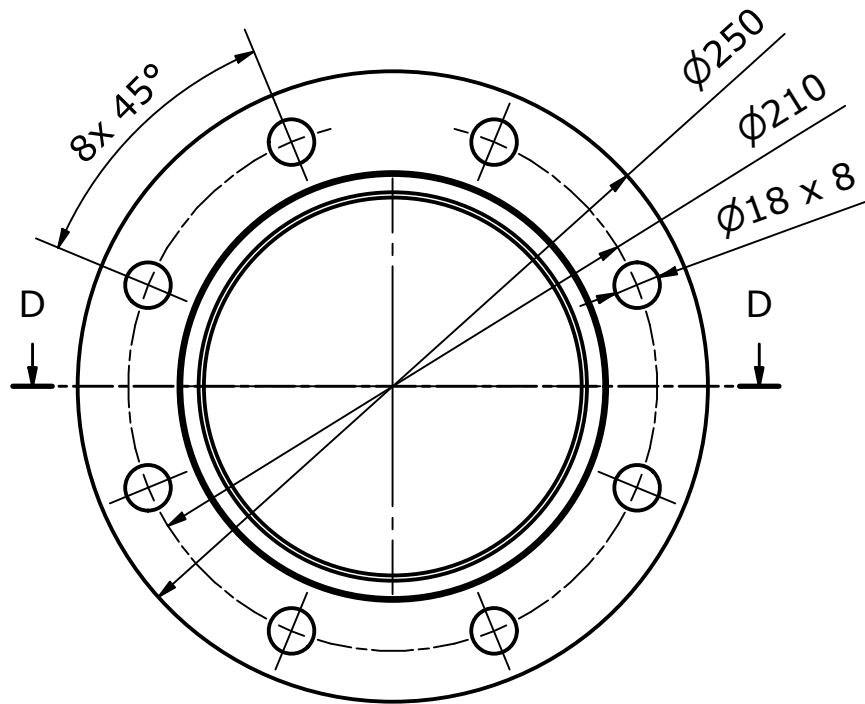
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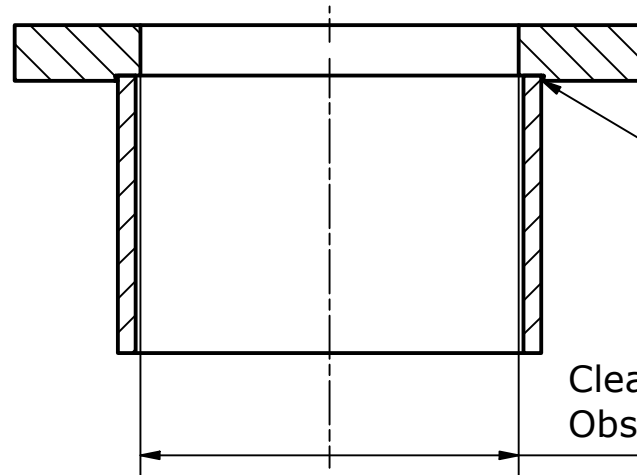
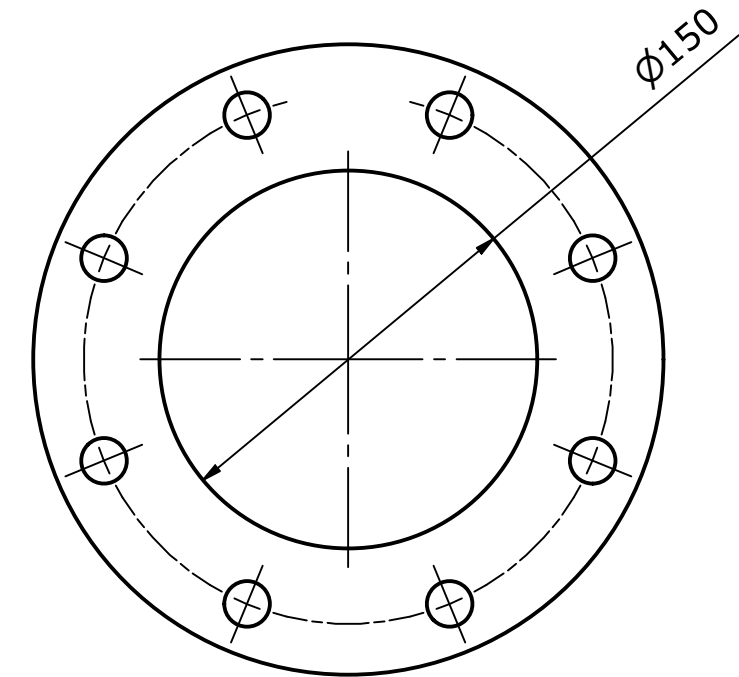
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(1 : 3)



Neck length depending on thickness of stack material. Observe needed distance between flange and stack. Max. 150 mm.



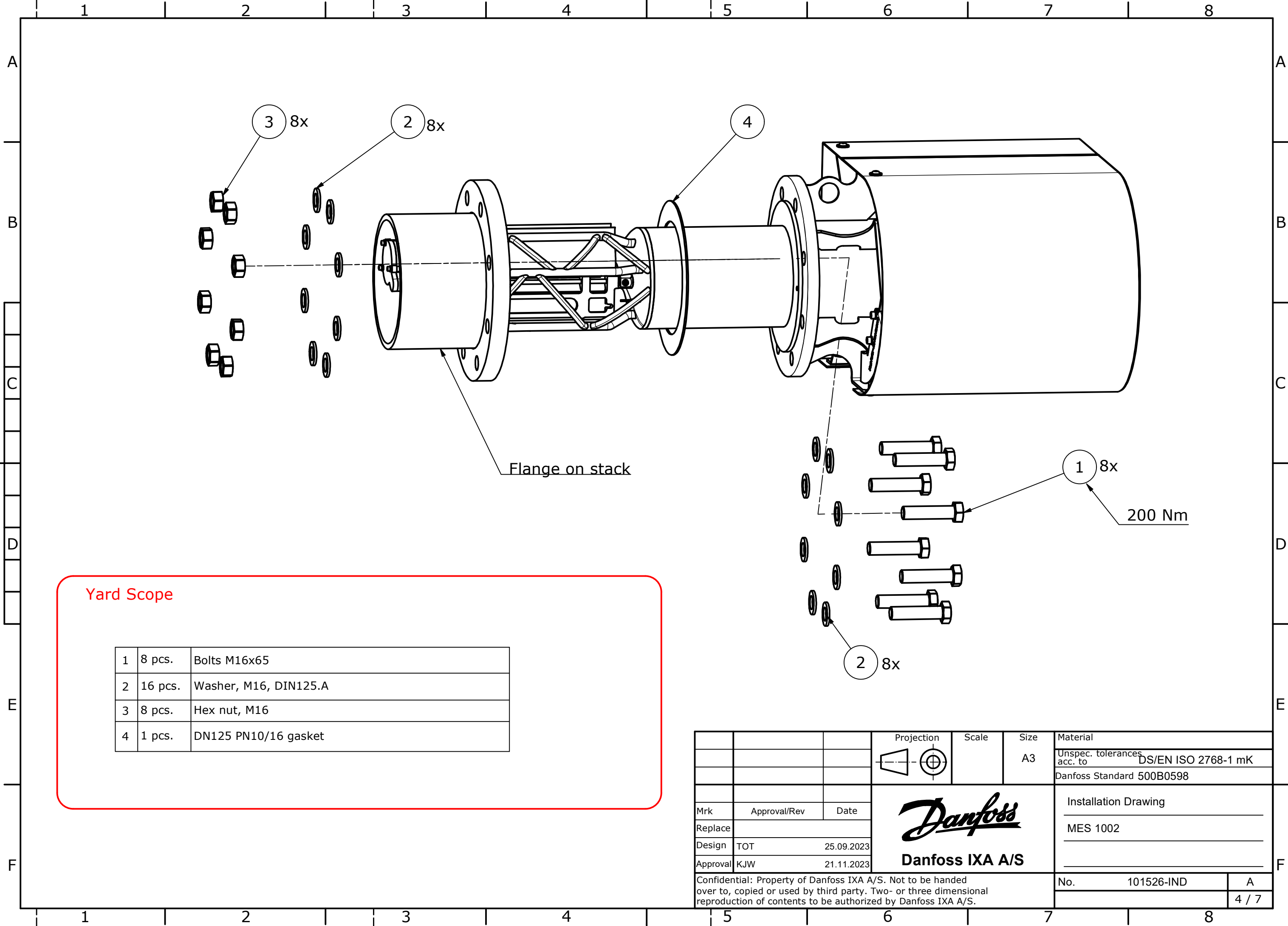
Observe Analyzer mass and CoG as well as bolt tightening torque when dimensioning welding

Clearance for probe.
Observe probe dimensions.

Flange recommendation.
If using angled or different dimensioned flange or flange neck, probe dimensions and clearance for probe must be observed.

Flange based on blind flange DN125 PN16
EN1092-1/05 with Ø150 through hole.

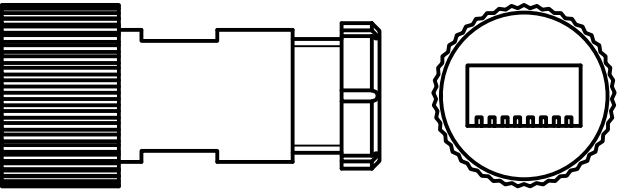
| | | | | | | |
|---|--------------|------------|----------------------------|-------|------|--|
| | | | Projection | Scale | Size | Material |
| | | | | | A3 | Unspec. tolerances acc. to DS/EN ISO 2768-1 mK |
| | | | | | | Danfoss Standard 500B0598 |
| Mrk | Approval/Rev | Date | Danfoss IXA A/S | | | |
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| Design | TOT | 25.09.2023 | | | | |
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| | | | | | | No. 101526-IND |
| | | | | | | A |
| | | | | | | 3 / 7 |



High Grade 3-stage Air Filter Unit, IXA part no. 930068-001
Braided compressed air hose, IXA part no. 930006-015 (1.5 m)
or 930006-030 (3 m)

MES 1002 Connection Panel

Ethernet connector
930073-001 - connector, Lan lockable



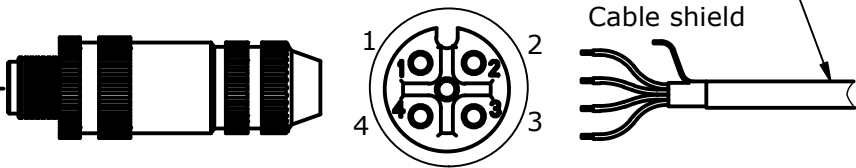
LAN connection specification

| Pins | TIA 568 B | TIA 568 A |
|-------|--------------|--------------|
| Pin 1 | White/Orange | White/Green |
| Pin 2 | Orange | Green |
| Pin 3 | White/Green | White/Orange |
| Pin 4 | Blue | Blue |
| Pin 5 | White/Blue | White/Blue |
| Pin 6 | Green | Orange |
| Pin 7 | White/Brown | White/Brown |
| Pin 8 | Brown | Brown |

Connect LAN cable according to Assembly Instruction
for LAN connector

930008-001 Digital in/out Connector
(Digital input optional)

Note 2.2

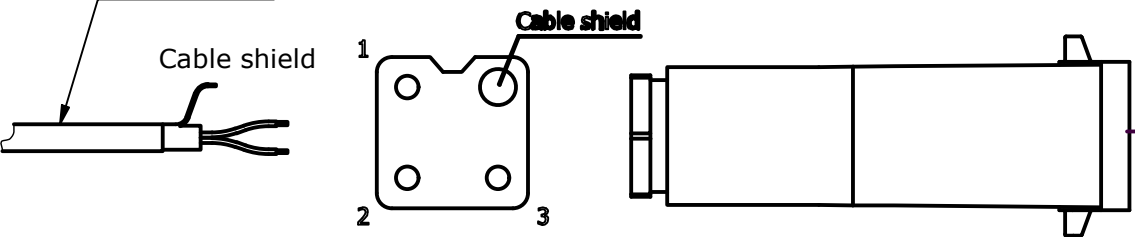


Digital inputs 1 and 2 specification

| Pins | Description |
|-------|--|
| Pin 1 | 0 VDC (dig input 1) |
| Pin 2 | 0 VDC (dig input 2) |
| Pin 3 | +24 VDC (dig input 2) |
| Pin 4 | +24 VDC (dig input 1) |
| Pin 5 | Not used |
| Cable | Cable diameter 4 - 8 mm, Conductor 0.14 mm2 - 0.5 mm2 |

930009-001 Power connector

Note 2.2



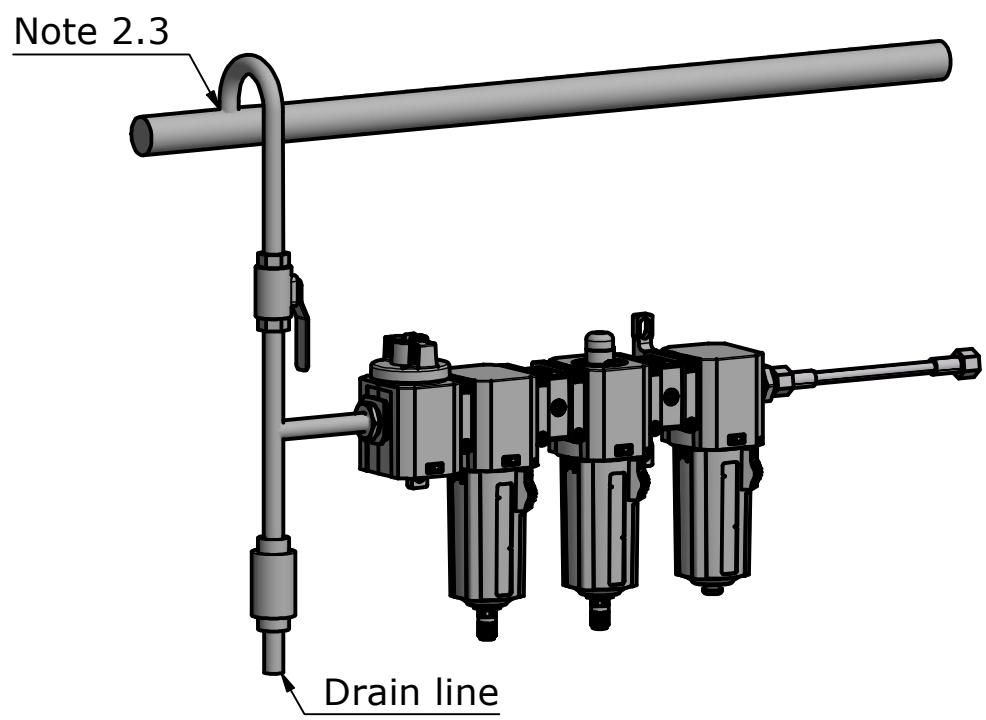
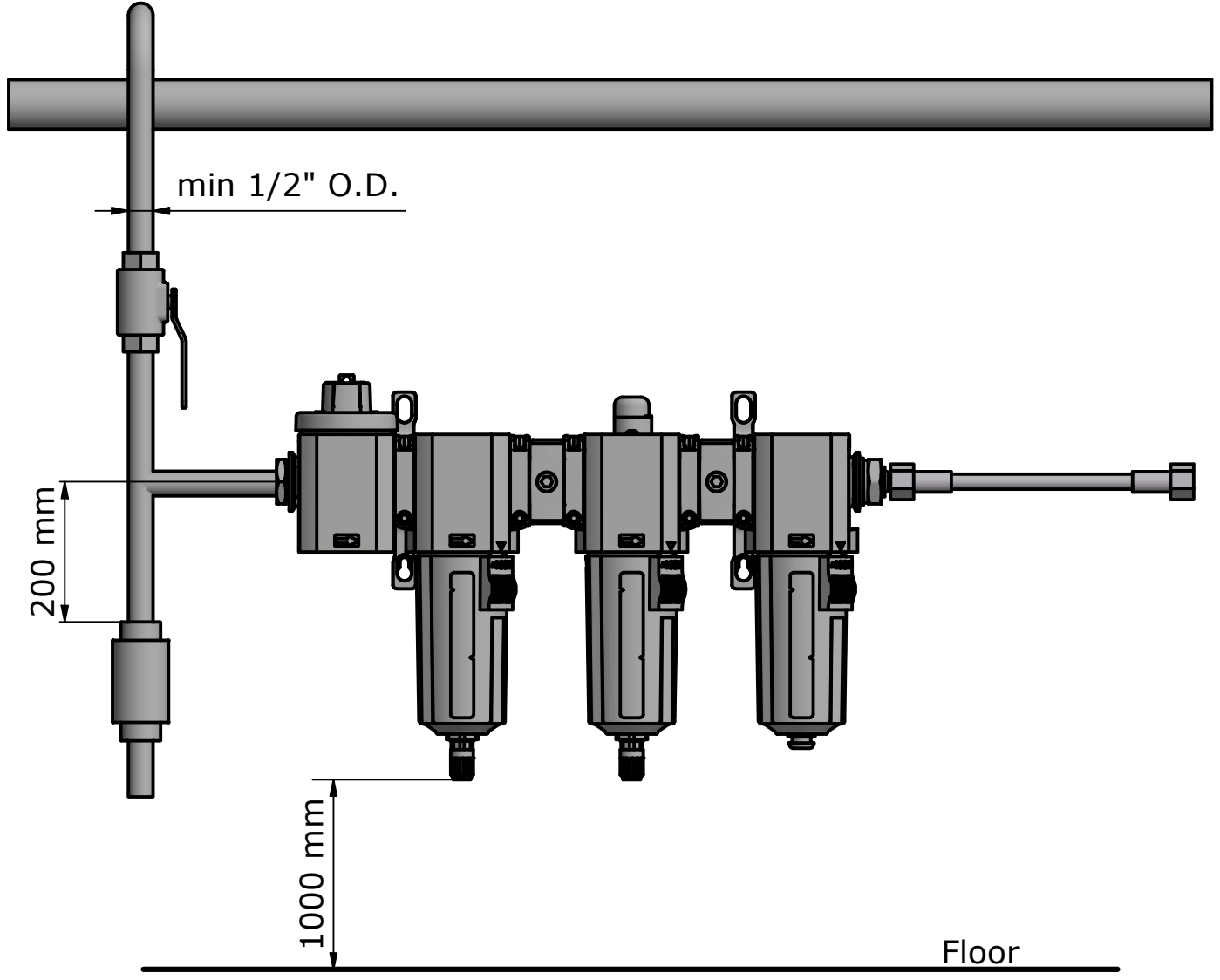
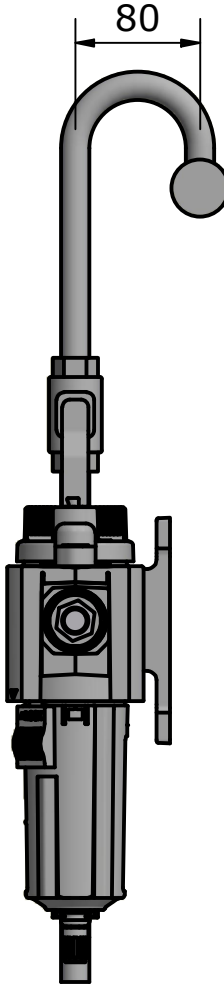
Power supply specification

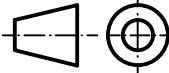

| Pins | Description |
|------------------|---|
| Pin 1 | +24VDC |
| Pin 2 | 0V |
| Pin 3 | Not used |
| Pin ground/earth | Cable shield |
| Cable | Cable diameter 10 - 15.8 mm, Conductor 0.5 mm2 - 2.5 mm2 |

| | | | | | | |
|---|--------------|------------|----------------------------|-------|------|--|
| | | | Projection | Scale | Size | Material |
| | | | | | A3 | Unspec. tolerances acc. to DS/EN ISO 2768-1 mK Danfoss Standard 500B0598 |
| Mrk | Approval/Rev | Date | Danfoss IXA A/S | | | |
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| Design | TOT | 25.09.2023 | | | | |
| Approval | KJW | 21.11.2023 | | | | |
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| | | | | | | 5 / 7 |

Installation example of Air filter with an efficient drip line

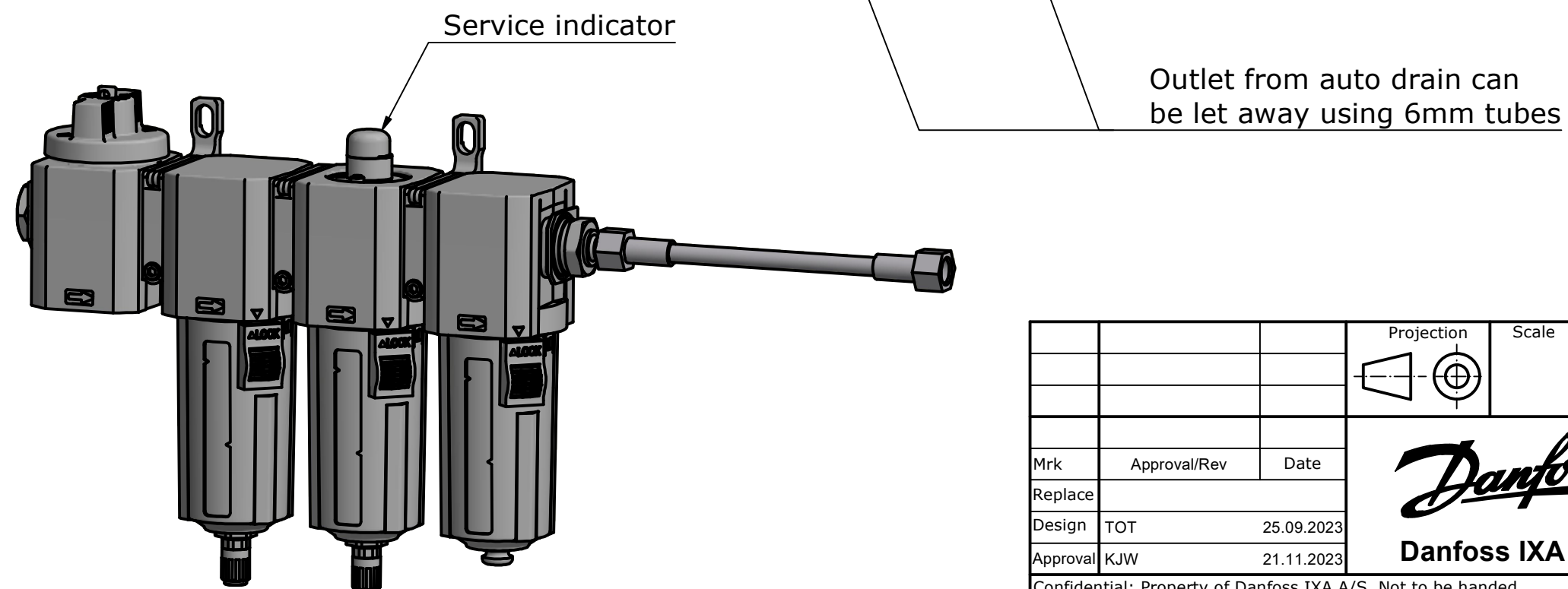
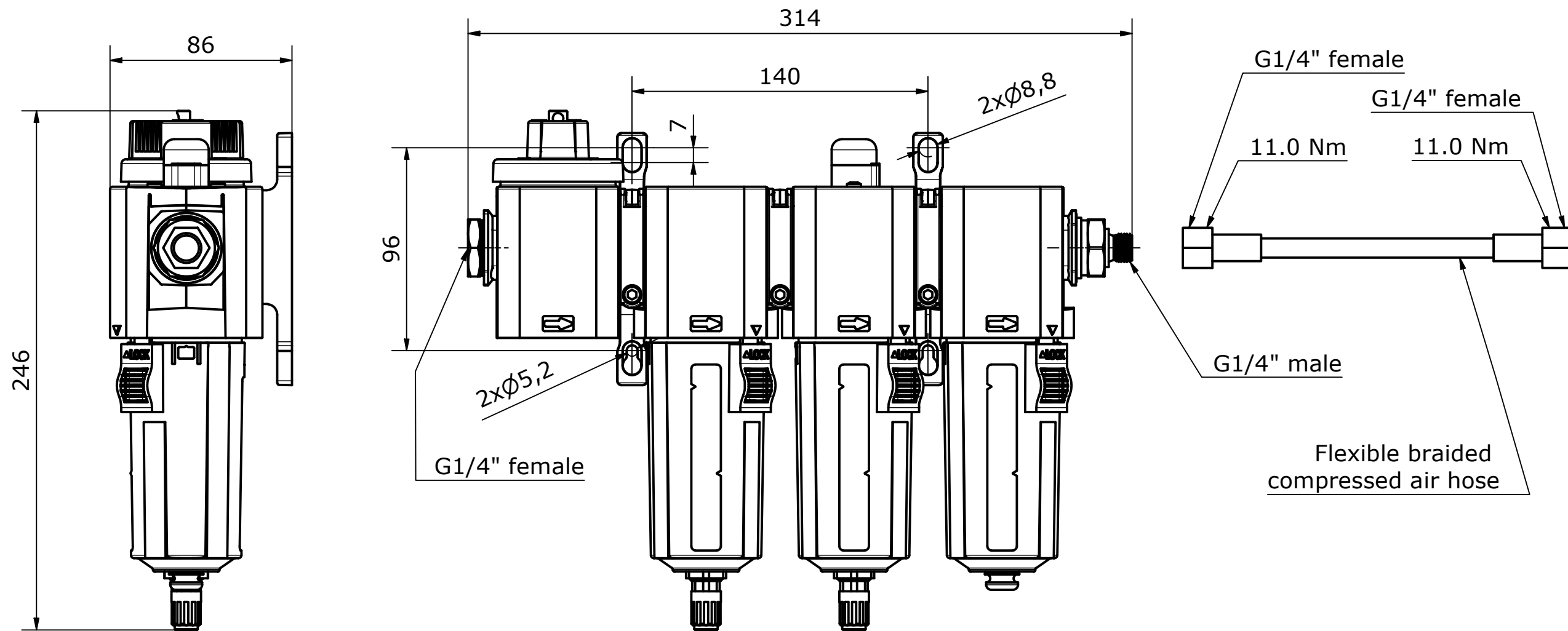
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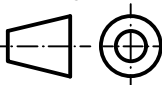



| | | | | | | | | | | | | |
|---|--------------|------------|---|-------|----------------|--|------------|---|--|--|--|-------|
| | | | <div>Projection</div>  | Scale | Size A3 | Material | | | | | | |
| | | | | | | Unspec. tolerances acc. to DS/EN ISO 2768-1 mK | | | | | | |
| | | | | | | Danfoss Standard 500B0598 | | | | | | |
| | | | <div> Danfoss IXA A/S</div> | | | Installation Drawing | | | | | | |
| Mrk | Approval/Rev | Date | | | | MES 1002 | | | | | | |
| Replace | | | | | | | | | | | | |
| Design | TOT | 25.09.2023 | | | | | | | | | | |
| Approval | KJW | 21.11.2023 | | | | | | | | | | |
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A
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C
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High Grade 3-stage Air Filter Unit, IXA part no. 930068-001
Braided compressed air hose, IXA part no. 930006-015 (1.5 m), 930006-030 (3 m)



| | | | | | | |
|---|--------------|------------|---|-------|------------|--|
| | | | <div> <div>Projection</div>  </div> | Scale | Size A3 | <div>Material</div> <div>Unspec. tolerances acc. to DS/EN ISO 2768-1 mK</div> <div>Danfoss Standard 500B0598</div> |
| Mrk | Approval/Rev | Date | <div>  <div>Danfoss IXA A/S</div> </div> | | | <div>Installation Drawing</div> <div>MES 1002</div> |
| Replace | | | | | | |
| Design | TOT | 25.09.2023 | | | | |
| Approval | KJW | 21.11.2023 | | | | |
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